



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,662	09/23/2003	Chang Sup Lee	3449-0272P	9108
2292 7590 01/23/2009 BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747				
EXAMINER				
PARRA, OMAR S				
ART UNIT		PAPER NUMBER		
2421				
NOTIFICATION DATE		DELIVERY MODE		
01/23/2009		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

# Office Action Summary

**Application No.**

10/667,662

**Applicant(s)**

LEE ET AL.

**Examiner**

OMAR PARRA

**Art Unit**

2421

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 November 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SG/US)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/07/2008 has been entered.

***Response to Arguments***

2. Applicant's arguments with respect to claims 1-23 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims **1-23** are rejected under 35 U.S.C. 103(a) as being unpatentable over Daniels (Pub. No. 2003/0074672) in view of Margulis (Pub. No. 20010021998).

Regarding claims 1, 11, 12 and 23, Daniels teaches an apparatus for displaying digital television broadcasting ([0023], [0083], [0092], and [0124]), comprising:

a processing means for separating AV broadcast signals and data broadcast signals from digital television broadcast signals of at least one channel to be provided to respective ones of a plurality of display units **(Video data and hyperlinks or other data are broadcast and received by the gateway. The processing means of the gateway determines the presence of the hyperlinks, and maps the location or coordinates where the hyperlinks or other data is going to be displayed on the screens, and stores the hyperlinks with their respective location. Therefore, by mapping and storing the hyperlinks and their location, a separation is made; [0078]-[0081], [0087]-[0092], [0095]);**

an input means for inputting a display setup request **( [0097] lines 11-19 on page 10; [0013], [0025], [0085], [0094]);**

a mixing means for selectively mixing the AV broadcast signals and the data broadcast signals to be provided to the respective ones of the plurality of display units **( [0015], [0024], [0084], [0087], [0095]);**

a home network **( [0025], [0028]-[0030], [0118]);**

a first display means for displaying the selectively mixed signals directly from the mixing means **( Any of the A# or B# devices, Fig. 1; any on Fig. 24; Fig. 25, Fig. 31 [0011], [0024], [0078]; [0084], [0095], [0134], [0154]) and**

at least one display means other than the first display means and other than the input means for displaying the selectively mixed signals via the home network **(Any other device not picked above on Figs. 1, 24, 25, 31, [0011], [0024], [0078]; [0084], [0095], [0134], [0154]).**

On the other hand, although Daniels teaches a mixing means for selectively mixing the AV broadcast signals and the data broadcast signals ([0015], [0024], [0084], [0087], [0095]), Daniels does not explicitly teach that they are selectively mixed according to the display setup request inputted from the input means.

However, in an analogous art, Margulis teaches an apparatus for implementing a wireless television system (Abstract). It includes a primary television set (152, Fig. 1; [0035]) and at least one or multiple remote devices (abstract; [0016]; [0032];[0034]). Margulis teaches transmitting any combination of video, audio and data ([0016]; [0038]; [0048]; [0089]-[0092]) to the remote devices according to a particular remote display configuration or format needs ([0057]-[0063]) through a local network (abstract; [0017]; [0088]). Additionally, Margulis teaches that each remote display is capable of displaying video and data without altering the video displayed on the primary television set ([0048]; [0091]-[0092]).

Therefore, it would have been obvious to one of ordinary skills in the art at the time of the invention to have modified Daniels' invention with the transmission of signals according to remote devices configurations or needs for the benefit of having the best resolution possible on the remote displays for a enjoyable video presentation to the user.

Regarding claims 2 and 13, Daniels and Margulis teach an apparatus for displaying digital television broadcasting further comprising receiving the broadcast

signals by corresponding tuners (**Daniels: TV tuners, Figs. 20, 22-24, [00118], [0078], and [0087]**).

Regarding claims 3 and 14, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) wherein the display setup request includes the kinds of display units and screen configurations of display units (**Daniels: [0023], [0083], [0088], [0093], [0013], [0025], [0085], and [0093]**).

Regarding claims 4, 7 and 18, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) further comprising displaying the AV broadcast signal of one on at least one display unit (**Daniels: Multiple display devices are able to display video and data simultaneously, video only or data only – [0024], [0084], [0095], ; each display is able to show multiple channels and data on the same screen – [0134], [0154] ; and two different displays can tune to different channels [0095]**).

Regarding claims 5, 8, 9, 17 and 19 Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) further comprising displaying the AV broadcast signal of one channel and the data broadcast signals of other channels on one display unit other than the first display unit (**Daniels: Multiple display devices are able to display video and data simultaneously, video only or data only – [0024], [0084], [0095], ; each display is able to show multiple channels**

**and data on the same screen – [0134], [0154] ; and two different displays can tune to different channels [0095]).**

Regarding claim 6, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) further comprising further comprising displaying the data broadcast signal of one on another display unit than the first display unit (**Daniels: Multiple display devices are able to display video and data simultaneously, video only or data only – [0024], [0084], [0095] ; each display is able to show multiple channels and data on the same screen – [0134], [0154] ; and two different displays can tune to different channels [0095]).**

Regarding claims 10 and 20, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) wherein display includes any one of a television display device, a monitor display device, and a terminal display device (**Daniels: Devices A# and B#, Fig. 1, Fig. 25, 27, 31).**

Regarding claim 15, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) wherein the input means is any one of a remote controller, a keyboard, a mouse, a keypad, and a touch pad (**Daniels: [0097], [0118]).**

Regarding claim 16, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) wherein the first display means include a first display unit for displaying AV broadcast signal of one channel, a second display unit for displaying data broadcast signal of one channel; and a third display unit for displaying the AV broadcast signal and the data broadcast **(Multiple display devices are able to display video and data simultaneously, video only or data only – [0024], [0084], [0095], ; each display is able to show multiple channels and data on the same screen – [0134], [0154] ; and two different displays can tune to different channels [0095])**.

Regarding claims 21 and 22, Daniels and Margulis teach an apparatus for displaying digital television broadcasting (with respective method) wherein the different display units are associated with an electronic kettle, a refrigerator, or a washing machine **(Given the mobility of the wireless display, it is inherent that the device can be placed in part of the household, where if placed at the refrigerator or any other device, the display would be associated to it by being the 'refrigerator's display)**.



***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to OMAR PARRA whose telephone number is (571)270-1449. The examiner can normally be reached on 9-6 PM (M-F, every other Friday off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/John W. Miller/  
Supervisory Patent Examiner, Art Unit 2421

OP